```
NEWS  7   Apr 22  BIOSIS Gene Names now available in TOXCENTER
NEWS  8   Apr 22  Federal Research in Progress (FEDRIP) now available
NEWS  9   Jun 03  New e-mail delivery for search results now available
NEWS 10   Jun 10  MEDLINE Reload
NEWS 11   Jun 10  PCTFULL has been reloaded
NEWS 12   Jul 02  FOREGE no longer contains STANDARDS file segment
NEWS 13   Jul 22  USAN to be reloaded July 28, 2002;
                  saved answer sets no longer valid
NEWS 14   Jul 29  Enhanced polymer searching in REGISTRY
NEWS 15   Jul 30  NETFIRST to be removed from STN
NEWS 16   Aug 08  CANCERLIT reload
NEWS 17   Aug 08  PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18   Aug 08  NTIS has been reloaded and enhanced
NEWS 19   Aug 09  JAPIO to be reloaded August 25, 2002
NEWS 20   Aug 19  Aquatic Toxicity Information Retrieval (AQUIRE)
                  now available on STN
NEWS 21   Aug 19  IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 22   Aug 19  The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 23   Aug 26  Sequence searching in REGISTRY enhanced

NEWS EXPRESS  February 1 CURRENT WINDOWS VERSION IS V6.0d,
              CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
              AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS    STN Operating Hours Plus Help Desk Availability
NEWS INTER    General Internet Information
NEWS LOGIN    Welcome Banner and News Items
NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
NEWS WWW      CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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  result in loss of user privileges and other penalties.

  * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *



FILE 'HOME' ENTERED AT 06:22:05 ON 28 AUG 2002

=> file cacplus
'CACPLUS' IS NOT A VALID FILE NAME
SESSION CONTINUES IN FILE 'HOME'
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
that are available.  If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.

=> e
N-[N-[3-(3-methoxy-4-hydroxyphenyl)propyl]-L-.alpha.-aspartyl]-L-phenylalanine
 1-Me ester/cn
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
The EXPAND command is used to look at the index in a file
which has an index.  This file does not have an index.
```

```
=> file  reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.63       0.63

FILE 'REGISTRY' ENTERED AT 06:23:52 ON 28 AUG 2002
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STRUCTURE FILE UPDATES:   26 AUG 2002  HIGHEST RN 444986-65-6
DICTIONARY FILE UPDATES:  26 AUG 2002  HIGHEST RN 444986-65-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Calculated physical property data is now available.  See HELP PROPERTIES
for more information.  See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> e
N-[N-[3-(3-methoxy-4-hydroxyphenyl)propyl]-L-.alpha.-aspartyl]-L-phenylalanine
 1-Me ester/cn
E1            1      N,S-DIVINYL-2-MERCAPTOBENZIMIDAZOLE/CN
E2            1      N,S-TRANS-1,2-DITHIOLANYLIDENETHIAMINE/CN
E3            0 --> N-N-3-(3-METHOXY-4-HYDROXYPHENYL)PROPYL -L-.ALPHA.-ASPARTY
                     L -L-PHENYLALANINE 1-ME ESTER/CN
E4            1
N-((((4-(2-((5-CHLORO-2-METHOXYBENZOYL)((4-NITROPHENYL)SULFO

NYL)AMINO)ETHYL)PHENYL)SULFONYL)((4-NITROPHENYL)SULFONYL)AMI
                     NO)CARBONYL)-N-CYCLOHEXYL-4-NITROBENZENESULFONAMIDE/CN
E5            1
N-(((1-(3,4-DIHYDROXY-5-(HYDROXYMETHYL)TETRAHYDRO-2-FURANYL)

-5-IODO-2-OXO-1,2-DIHYDRO-4-PYRIMIDINYL)((4-NITROPHENYL)SULF

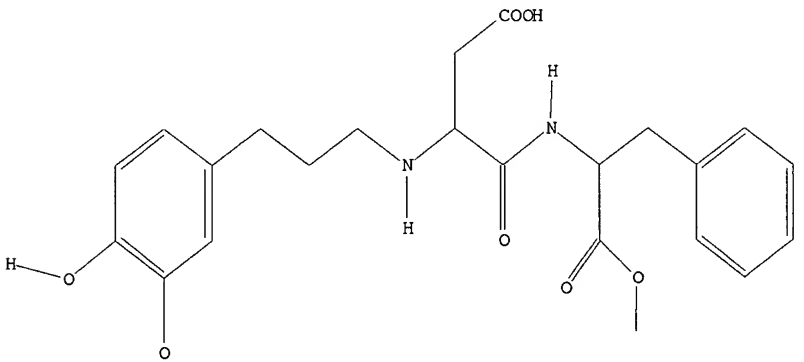
ONYL)AMINO)CARBOTHIOYL)-4-NITRO-N-(4-NITROPHENYL)BENZENESULF
                     ONAMIDE/CN
E6            1      N-(((2,3-DIMETHOXYBENZYL)OXY)CARBONYL)TRYPTOPHAN/CN
E7            1      N-(((2,6-DICHLOROPHENYL)CARBAMOYL)METHYL)IMINODIACETIC
ACID/
                     CN
E8            1      N-(((2,6-DIISOPROPYLPHENYL)CARBAMOYL)METHYL)IMINODIACETIC
AC
                     ID/CN
E9            1      N-(((2-(DIETHYLAMINO)ETHYL)OXY)CARBONYL)CYCLOPEPTIDE A,
HYDR
                     OCHLORIDE/CN
E10           1      N-(((2-AMINOETHYL)AMINOMETHYL)BENZYLOXY)DIMETHYLSILANE/CN
E11           1      N-(((2-HYDROXYBENZOYL)OXY)METHYL)BENZAMIDE/CN
E12           1      N-(((3,4-DIMETHOXYPHENYL)METHYLENE)AMINO)PHTHALIMIDE/CN
```

```
=> e
N-(N-(3-(3-methoxy-4-hydroxyphenyl)propyl)-L-.alpha.-aspartyl)-L-phenylalanine
 1-Me ester/cn
E1            1      N-(N-(2-METHYLPHENYL)-N-PHENYLAMINO)PHTHALIMIDE/CN
E2            1      N-(N-(3,4-DICHLOROPHENYL)CARBAMOYL)MORPHOLINE/CN
E3            0 -->
N-(N-(3-(3-METHOXY-4-HYDROXYPHENYL)PROPYL)-L-.ALPHA.-ASPARTY
                     L)-L-PHENYLALANINE 1-ME ESTER/CN
E4            1
N-(N-(3-AMINO-3-CARBOXYPROPYL)-3-AMINO-3-CARBOXYPROPYL)AZETI
                     DINE-2-CARBOXYLIC ACID/CN
E5            1      N-(N-(3-CHLOROPHENYL)-N-PHENYLAMINO)PHTHALIMIDE/CN
E6            1      N-(N-(3-PHENOXYBENZOYL)GLYCYL)GLYCINE/CN
E7            1      N-(N-(4-CARBOXYPHENYL)GLYCYL)AMINOACETONITRILE/CN
E8            1
N-(N-(5-ETHOXYCARBONYL-4-METHYL-4-PENTENOYL)-L-ALANYL)-L-VAL
                     INE METHYL ESTER/CN
E9            1
N-(N-(9-.BETA.-D-RIBOFURANOSYLPURIN-6-YL)CARBAMOYL)THREONINE
                     /CN
E10           1      N-(N-(ACRYLAMIDOMETHYL)CARBAMOYLETHYL)PHENOTHIAZINE/CN
E11           1      N-(N-(ADAMANTANE-1-CARBONYL)GLYCYL)GLYCINE/CN
E12           1      N-(N-(BENZYLOXYCARBONYL)GLYCYL)GLYCINE/CN

=>
Uploading 10091500 aspartame derivative.str

L1       STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1                STR
```

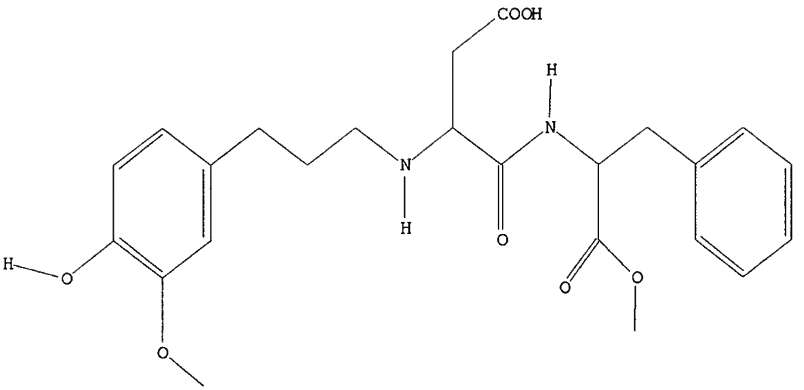



```
Structure attributes must be viewed using STN Express query preparation.


=>
Uploading 10091500 aspartame derivative.str

L2       STRUCTURE UPLOADED
```

=> d l2
L2 HAS NO ANSWERS
L2 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l2 exact sam
SAMPLE SEARCH INITIATED 06:27:08 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED 2 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2 TO 124
PROJECTED ANSWERS: 0 TO 0

L3 0 SEA EXA SAM L2

=> search l2 exact full
FULL SEARCH INITIATED 06:27:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 13 TO ITERATE

100.0% PROCESSED 13 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

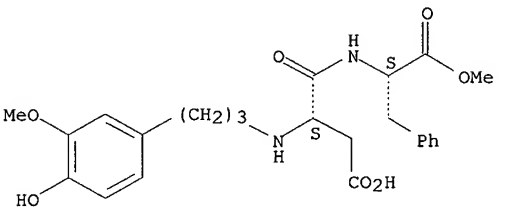
L4 1 SEA EXA FUL L2

=> d l4

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
RN 329326-75-2 REGISTRY
CN L-Phenylalanine, N-[3-(4-hydroxy-3-methoxyphenyl)propyl]-L-.alpha.-aspartyl-, 2-methyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH

MF C24 H30 N2 O7
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1967 TO DATE)
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	50.86	51.49

FILE 'CAPLUS' ENTERED AT 06:27:35 ON 28 AUG 2002
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FILE COVERS 1907 - 28 Aug 2002 VOL 137 ISS 9
FILE LAST UPDATED: 26 Aug 2002 (20020826/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> l4
L5 2 L4

=> d l5 1-2 ti fbib abs

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS
TI Process for producing aspartyl dipeptide ester derivatives
AN 2001:833348 CAPLUS
DN 135:358168
TI Process for producing aspartyl dipeptide ester derivatives
IN Kawahara, Shigeru; Nagashima, Kazutaka; Takemoto, Tadashi
PA Ajinomoto Co., Inc., Japan
SO PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001085761	A1	20011115	WO 2001-JP3479	20010423

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

JP 2000-137028 A 20000510

OS CASREACT 135:358168; MARPAT 135:358168
AB This document discloses a process for conveniently producing on an industrial scale in high yield N-{N-[3-(phenyl)propyl]-L-.alpha.-aspartyl]-L-phenylalanine 1-Me ester derivs., which are expected to be sweeteners, by reductively alkylating aspartame with 3-phenyl-2-propenyl aldehyde derivs. under hydrogen in the presence of a catalyst and a base.
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS
TI Process for producing and purifying aspartame derivative as sweetener
AN 2001:185780 CAPLUS
DN 134:223039
TI Process for producing and purifying aspartame derivative as sweetener
IN Amino, Yusuke; Yuzawa, Kazuko; Takemoto, Tadashi
PA Ajinomoto Co., Inc., Japan
SO PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001018034	A1	20010315	WO 2000-JP5665	20000823

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

JP 1999-253498 A 19990907

OS CASREACT 134:223039

AB This document discloses the following : a method for industrially producing N-[N-[3-(3-methoxy-4-hydroxyphenyl)propyl]-L-.alpha.-aspartyl]-L-phenylalanine 1-Me ester which is useful as a sweetener, in particular, a process for producing the target compd. in a high yield by the reductive alkylation reaction of aspartame with 3-(3-methoxy-4-hydroxyphenyl)propionaldehyde or its deriv.; a method of effectively purifying the target compd. contaminated with impurities invading thereinto at various prodn. stages (involving methods other than the above-described reductive alkylation), more particularly, a method of sepg. the target compd. in the form of highly pure crystals; the crystals; sweeteners contg. the same; and utilization thereof in various products which are to be sweetened.

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.37	56.86

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.24	-1.24

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 06:28:46 ON 28 AUG 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 07:09:05 ON 28 AUG 2002
FILE 'CAPLUS' ENTERED AT 07:09:05 ON 28 AUG 2002
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.37	56.86

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.24	-1.24

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL

	ENTRY	SESSION
FULL ESTIMATED COST	5.37	56.86

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.24	-1.24

FILE 'REGISTRY' ENTERED AT 07:09:10 ON 28 AUG 2002
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STRUCTURE FILE UPDATES: 26 AUG 2002 HIGHEST RN 444986-65-6
DICTIONARY FILE UPDATES: 26 AUG 2002 HIGHEST RN 444986-65-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

```
=> e 3-(4-hydroxy-3-methoxyphenyl) propionaldehyde/cn
E1            1
3-(4-HYDROXY-3-METHOXYBENZYL)-5-HYDROXY-6,7-DIMETHOXYCHROMAN
                    -4-ONE/CN
E2            1
3-(4-HYDROXY-3-METHOXYBENZYL)-5-HYDROXY-7-METHOXYCHROMAN-4-O
                    NE/CN
E3            0 --> 3-(4-HYDROXY-3-METHOXYPHENYL) PROPIONALDEHYDE/CN
E4            1     3-(4-HYDROXY-3-METHOXYPHENYL)-1,2-PROPANEDIOL/CN
E5            1     3-(4-HYDROXY-3-METHOXYPHENYL)-1,2-PROPANEDIOL TRIACETATE/CN
E6            1     3-(4-HYDROXY-3-METHOXYPHENYL)-1-PHENYL-1-PROPENE/CN
E7            1     3-(4-HYDROXY-3-METHOXYPHENYL)-1-PROPANOL/CN
E8            1     3-(4-HYDROXY-3-METHOXYPHENYL)-1-PROPENE/CN
E9            1
3-(4-HYDROXY-3-METHOXYPHENYL)-2-(2-METHOXY-4-METHYLPHENOXY)-
                    2-PROPEN-1-OL/CN
E10           1
3-(4-HYDROXY-3-METHOXYPHENYL)-2-(2-METHOXY-4-PROPYLPHENOXY)-
                    1-PROPANOL/CN
E11           1
3-(4-HYDROXY-3-METHOXYPHENYL)-2-(2-METHOXY-5-METHYLPHENOXY)-
                    2-PROPEN-1-OL/CN
E12           1
3-(4-HYDROXY-3-METHOXYPHENYL)-2-(3,4-DIMETHOXYPHENYL)-2-PROP
                    ENESULFONIC ACID/CN

=> e 3-(4-hydroxy-3-methoxyphenyl)-propionaldehyde/cn
E1            1     3-(4-HYDROXY-3-METHOXYPHENYL)-2-PROPENOIC ACID/CN
E2            1     3-(4-HYDROXY-3-METHOXYPHENYL)-5-PHENYL-1,2-DITHIOLIUM
PERCHL
                    ORATE/CN
E3            0 --> 3-(4-HYDROXY-3-METHOXYPHENYL)-PROPIONALDEHYDE/CN
```

```
E4              1      3-(4-HYDROXY-3-METHOXYPHENYL)ACROLEIN/CN
E5              1      3-(4-HYDROXY-3-METHOXYPHENYL)ACRYLIC ACID/CN
E6              1      3-(4-HYDROXY-3-METHOXYPHENYL)ALANINE/CN
E7              1      3-(4-HYDROXY-3-METHOXYPHENYL)ALLYL ALCOHOL/CN
E8              1      3-(4-HYDROXY-3-METHOXYPHENYL)LACTIC ACID/CN
E9              1      3-(4-HYDROXY-3-METHOXYPHENYL)PROPA-1,2-DIENE/CN
E10             1      3-(4-HYDROXY-3-METHOXYPHENYL)PROPANOL/CN
E11             1      3-(4-HYDROXY-3-METHOXYPHENYL)PROPIONIC ACID/CN
E12             1      3-(4-HYDROXY-3-METHOXYSTYRYL)-2,5-DIMETHYLISOXAZOLIUM
IODIDE
                       /CN

=> logoff hold
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                        1.90      58.76

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)            SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                        0.00      -1.24

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:11:53 ON 28 AUG 2002

Connecting via Winsock to STN


Welcome to STN International!  Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 07:17:02 ON 28 AUG 2002
FILE 'REGISTRY' ENTERED AT 07:17:02 ON 28 AUG 2002
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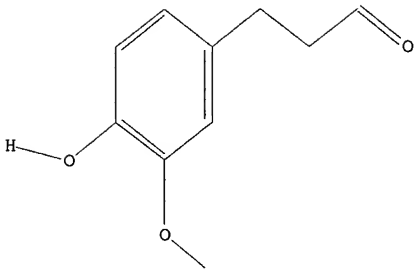
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                        1.90      58.76

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)            SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                        0.00      -1.24

=>
Uploading 10091500 aldehyde.str

L6      STRUCTURE UPLOADED

=> d l6
L6 HAS NO ANSWERS
L6              STR
```



Structure attributes must be viewed using STN Express query preparation.

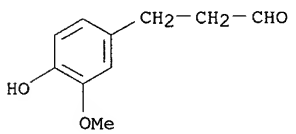
=> search l6 exact full
FULL SEARCH INITIATED 07:18:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 124 TO ITERATE

100.0% PROCESSED 124 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L7 1 SEA EXA FUL L6

=> d l7

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
RN 80638-48-8 REGISTRY
CN Benzenepropanal, 4-hydroxy-3-methoxy- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 3-(4'-Hydroxy-3'-methoxyphenyl)-1-propanal
CN 4-Propanal-2-methoxyphenol
FS 3D CONCORD
MF C10 H12 O3
LC STN Files: CA, CAPLUS, CASREACT, CHEMLIST, TOXCENTER
Other Sources: DSL**, EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

11 REFERENCES IN FILE CA (1967 TO DATE)
11 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	51.24	108.10

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.24

FILE 'CAPLUS' ENTERED AT 07:18:17 ON 28 AUG 2002
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FILE COVERS 1907 - 28 Aug 2002 VOL 137 ISS 9
FILE LAST UPDATED: 26 Aug 2002 (20020826/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> l7
L8 11 L7

=> save temp l8 sweetaldeh/a
ANSWER SET L8 HAS BEEN SAVED AS 'SWEETALDEH/A'

=>

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	108.50

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.24

FILE 'STNGUIDE' ENTERED AT 07:19:02 ON 28 AUG 2002
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Aug 23, 2002 (20020823/UP).

=>

NAME	CREATED	NOTES/TITLE
ADIACRYST/A	TEMP	1001 ANSWERS IN FILE CAPLUS
ALKYLATIN/L	13 DEC 2001	9 L-NUMBERS
ASPARTAME/A	TEMP	2346 ANSWERS IN FILE CAPLUS
A408SRCH/L	TEMP	42 L-NUMBERS
CONIFERAL/A	TEMP	388 ANSWERS IN FILE CAPLUS
GLYPHSRCH/L	TEMP	13 L-NUMBERS
INDIUMCL3/A	30 MAY 2001	1 ANSWER IN FILE REGISTRY
LTWENTAUGFOR/A	04 AUG 2001	72 ANSWERS IN FILE CAPLUS
NASTATINS/A	TEMP	144 ANSWERS IN FILE CAPLUS
NEOTAMECRYST/A	24 APR 2001	59 ANSWERS IN FILE CAPLUS
NVLARMFULGEN/A	19 APR 2001	196 ANSWERS IN FILE REGISTRY
POHBENZALDEH/A	10 JUL 2001	5519 ANSWERS IN FILE CAPLUS
PROCTYLCMPD/A	TEMP	10 ANSWERS IN FILE CAPLUS
PROCTYLSRCH/L	TEMP	4 L-NUMBERS
PROSTACMPD15/A	01 AUG 2001	34 ANSWERS IN FILE CAPLUS
STILLEAPP/L	07 JAN 2002	17 L-NUMBERS
SWEET/L	TEMP	6 L-NUMBERS
SWEETALDEH/A	TEMP	11 ANSWERS IN FILE CAPLUS
TWOAMINOPOLY/Q	16 APR 2001	UPLOADED STRUCTURE

=>
NO SAVED SDI REQUESTS

=>

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	108.56

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.24

FILE 'CAPLUS' ENTERED AT 07:19:47 ON 28 AUG 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 28 Aug 2002 VOL 137 ISS 9
FILE LAST UPDATED: 26 Aug 2002 (20020826/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=>
L9 (1)SEA FILE=REGISTRY ABB=ON PLU=ON ASPARTAME/CN
L10 2346 SEA FILE=CAPLUS ABB=ON PLU=ON L9

=>
L11 (1)SEA FILE=REGISTRY ABB=ON PLU=ON CONIFERALDEHYDE/CN
L12 388 SEA FILE=CAPLUS ABB=ON PLU=ON L11

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	108.96

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.24

FILE 'CAPLUS' ENTERED AT 07:20:01 ON 28 AUG 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 28 Aug 2002 VOL 137 ISS 9
FILE LAST UPDATED: 26 Aug 2002 (20020826/ED)

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=> d his

(FILE 'HOME' ENTERED AT 06:22:05 ON 28 AUG 2002)

FILE 'REGISTRY' ENTERED AT 06:23:52 ON 28 AUG 2002
E
N-[N-[3-(3-METHOXY-4-HYDROXYPHENYL)PROPYL]-L-.ALPHA.-ASPARTYL
E
N-(N-(3-(3-METHOXY-4-HYDROXYPHENYL)PROPYL)-L-.ALPHA.-ASPARTYL
L1 STRUCTURE UPLOADED

```
L2              STRUCTURE UPLOADED
L3            0 SEARCH L2 EXACT SAM
L4            1 SEARCH L2 EXACT FULL

     FILE 'CAPLUS' ENTERED AT 06:27:35 ON 28 AUG 2002
L5            2 L4

     FILE 'REGISTRY' ENTERED AT 07:09:10 ON 28 AUG 2002
                E 3-(4-HYDROXY-3-METHOXYPHENYL) PROPIONALDEHYDE/CN
                E 3-(4-HYDROXY-3-METHOXYPHENYL)-PROPIONALDEHYDE/CN
L6              STRUCTURE UPLOADED
L7            1 SEARCH L6 EXACT FULL

     FILE 'CAPLUS' ENTERED AT 07:18:17 ON 28 AUG 2002
L8           11 L7
                SAVE TEMP L8 SWEETALDEH/A

     FILE 'STNGUIDE' ENTERED AT 07:19:02 ON 28 AUG 2002

     FILE 'CAPLUS' ENTERED AT 07:19:47 ON 28 AUG 2002
                ACT ASPARTAME/A
                ---------
L9  (           1)SEA FILE=REGISTRY ABB=ON  PLU=ON  ASPARTAME/CN
L10          2346 SEA FILE=CAPLUS ABB=ON  PLU=ON  L9
                ---------
                ACT CONIFERAL/A
                ---------
L11 (           1)SEA FILE=REGISTRY ABB=ON  PLU=ON  CONIFERALDEHYDE/CN
L12           388 SEA FILE=CAPLUS ABB=ON  PLU=ON  L11
                ---------

     FILE 'CAPLUS' ENTERED AT 07:20:01 ON 28 AUG 2002

=> l8 and l10
L13           1 L8 AND L10

=> d l13 ti fbib abs

L13  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2002 ACS
TI   Process for producing and purifying aspartame derivative as sweetener
AN   2001:185780  CAPLUS
DN   134:223039
TI   Process for producing and purifying aspartame derivative as sweetener
IN   Amino, Yusuke; Yuzawa, Kazuko; Takemoto, Tadashi
PA   Ajinomoto Co., Inc., Japan
SO   PCT Int. Appl., 39 pp.
     CODEN: PIXXD2
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
PI   WO 2001018034     A1    20010315       WO 2000-JP5665   20000823
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
             YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
```

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
JP 1999-253498 A 19990907

OS CASREACT 134:223039

AB This document discloses the following : a method for industrially producing N-[N-[3-(3-methoxy-4-hydroxyphenyl)propyl]-L-.alpha.-aspartyl]-L-phenylalanine 1-Me ester which is useful as a sweetener, in particular, a process for producing the target compd. in a high yield by the reductive alkylation reaction of aspartame with 3-(3-methoxy-4-hydroxyphenyl)propionaldehyde or its deriv.; a method of effectively purifying the target compd. contaminated with impurities invading thereinto at various prodn. stages (involving methods other than the above-described reductive alkylation), more particularly, a method of sepg. the target compd. in the form of highly pure crystals; the crystals; sweeteners contg. the same; and utilization thereof in various products which are to be sweetened.

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> l8 and l12
L14 6 L8 AND L12

=> d l14 1-6 ti

L14 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI Process for producing and purifying aspartame derivative as sweetener

L14 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI Retention of lignin in seagrasses: angiosperms that returned to the sea

L14 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI Chemical composition of alkaline pulping products of lignin model compounds

L14 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI Thermolytic decomposition of coniferyl alcohol

L14 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI Ultrafiltration and pyrolysis gas chromatography mass spectrometry of chlorolignins in pulp mill effluent

L14 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS
TI Topical cosmetics containing 1,7-diphenyl-4-hepten-3-one for skin disorder treatment

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	13.10	122.06
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.62	-1.86

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:33:50 ON 28 AUG 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 07:51:23 ON 28 AUG 2002
FILE 'CAPLUS' ENTERED AT 07:51:23 ON 28 AUG 2002
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	13.10	122.06

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.62	-1.86

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	13.89	122.85

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.62	-1.86

FILE 'REGISTRY' ENTERED AT 07:52:26 ON 28 AUG 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 26 AUG 2002 HIGHEST RN 444986-65-6
DICTIONARY FILE UPDATES: 26 AUG 2002 HIGHEST RN 444986-65-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> e Benzenepropanal, 4-hydroxy-3-methoxy-,cn
E1 106272 BENZENEPROPAN/BI
E2 2540 BENZENEPROPANAL/BI
E3 0 --> BENZENEPROPANAL, 4-HYDROXY-3-METHOXY-,CN/BI

```
E4           60      BENZENEPROPANALATO/BI
E5            1      BENZENEPROPANALDEHYDE/BI
E6          538      BENZENEPROPANAMID/BI
E7          536      BENZENEPROPANAMIDATO/BI
E8        24838      BENZENEPROPANAMIDE/BI
E9            1      BENZENEPROPANAMIDO/BI
E10         574      BENZENEPROPANAMIN/BI
E11          22      BENZENEPROPANAMINATO/BI
E12        5004      BENZENEPROPANAMINE/BI

=> e 4-hydroxy-3-methoxy-Benzenepropanal cn
E1            1      4-AMINO-2,6-PYRIMIDINODITHIOCARBAMATE/BI
E2            1
4-HYDROXY-2-METHYL-N-2-PYRIDINYL-2H-1,2-BENZOTHIAZINE-3-CARB
                     OXAMIDE 1,1-DIOXIDE-NN/BI
E3            0 --> 4-HYDROXY-3-METHOXY-BENZENEPROPANAL CN/BI
E4            3      4-ISOCYANATOBENZENE/BI
E5            1      4-METHOXY-.ALPHA.-METHYLBENZENEACETATE/BI
E6            2      4-METHYL-2-OXO-2H-1-BENZOPYRAN-7-YL/BI
E7            1      4-METHYLBENZENESULFONAMIDATO/BI
E8            1      4-METHYLBENZENESULFONATO-.KAPPA.O/BI
E9            1      4-METHYLPHENYL
6-DIAZO-5,6-DIHYDRO-5-OXO-1-NAPHTHALENESULFON
                     ATE/BI
E10           1      4-MORPHOLINO-1,3,5-TRIAZINE-2,6-DIYL/BI
E11           2      4-NITROPHENYL/BI
E12           1      4-O-.BETA.-D-GALACTOPYRANOSYL-D-GLUCONATO-O1,O2,O3/BI

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     1.14     123.99

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -1.86

FILE 'CAPLUS' ENTERED AT 07:54:07 ON 28 AUG 2002
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 28 Aug 2002 VOL 137 ISS 9
FILE LAST UPDATED: 26 Aug 2002 (20020826/ED)

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```
=> d his

     (FILE 'HOME' ENTERED AT 06:22:05 ON 28 AUG 2002)

     FILE 'REGISTRY' ENTERED AT 06:23:52 ON 28 AUG 2002
                E
N-[N-[3-(3-METHOXY-4-HYDROXYPHENYL)PROPYL]-L-.ALPHA.-ASPARTYL
                E
N-(N-(3-(3-METHOXY-4-HYDROXYPHENYL)PROPYL)-L-.ALPHA.-ASPARTYL
L1              STRUCTURE UPLOADED
L2              STRUCTURE UPLOADED
L3            0 SEARCH L2 EXACT SAM
L4            1 SEARCH L2 EXACT FULL

     FILE 'CAPLUS' ENTERED AT 06:27:35 ON 28 AUG 2002
L5            2 L4

     FILE 'REGISTRY' ENTERED AT 07:09:10 ON 28 AUG 2002
                E 3-(4-HYDROXY-3-METHOXYPHENYL) PROPIONALDEHYDE/CN
                E 3-(4-HYDROXY-3-METHOXYPHENYL)-PROPIONALDEHYDE/CN
L6              STRUCTURE UPLOADED
L7            1 SEARCH L6 EXACT FULL

     FILE 'CAPLUS' ENTERED AT 07:18:17 ON 28 AUG 2002
L8           11 L7
                SAVE TEMP L8 SWEETALDEH/A

     FILE 'STNGUIDE' ENTERED AT 07:19:02 ON 28 AUG 2002

     FILE 'CAPLUS' ENTERED AT 07:19:47 ON 28 AUG 2002
                ACT ASPARTAME/A
                ---------
L9  (           1)SEA FILE=REGISTRY ABB=ON  PLU=ON  ASPARTAME/CN
L10          2346 SEA FILE=CAPLUS ABB=ON  PLU=ON  L9
                ---------
                ACT CONIFERAL/A
                ---------
L11 (           1)SEA FILE=REGISTRY ABB=ON  PLU=ON  CONIFERALDEHYDE/CN
L12           388 SEA FILE=CAPLUS ABB=ON  PLU=ON  L11
                ---------

     FILE 'CAPLUS' ENTERED AT 07:20:01 ON 28 AUG 2002
L13             1 L8 AND L10
L14             6 L8 AND L12

     FILE 'REGISTRY' ENTERED AT 07:52:26 ON 28 AUG 2002
                E BENZENEPROPANAL, 4-HYDROXY-3-METHOXY-,CN
                E 4-HYDROXY-3-METHOXY-BENZENEPROPANAL CN

     FILE 'CAPLUS' ENTERED AT 07:54:07 ON 28 AUG 2002

=> reg
            915 REG
             41 REGS
```

```
L15         952 REG
                (REG OR REGS)

=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         2.02     126.01

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                         0.00      -1.86

FILE 'REGISTRY' ENTERED AT 07:54:37 ON 28 AUG 2002
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DICTIONARY FILE UPDATES:  26 AUG 2002  HIGHEST RN 444986-65-6

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

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  conducting SmartSELECT searches.

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for more information.  See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

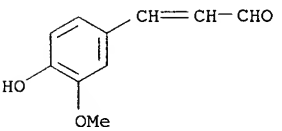
=> e coniferaldehyde/cn
E1            1     CONIDIOSPORE SURFACE PROTEIN (TRICHODERMA HARZIANUM STRAIN
A
                    TCC 32173 GENE CMP1)/CN
E2            1     CONIFEGEROL/CN
E3            1 --> CONIFERALDEHYDE/CN
E4            1     CONIFERALDEHYDE METHOXYMETHYL ETHER/CN
E5            1     CONIFERALDEHYDE METHYL ETHER/CN
E6            1     CONIFERAN/CN
E7            1     CONIFERIC ACID/CN
E8            1     CONIFERIN/CN
E9            1     CONIFERIN .BETA.-GLUCOSIDASE/CN
E10           1     CONIFERIN PENTAACETATE/CN
E11           1     CONIFERIN, DIHYDRATE/CN
E12           1     CONIFERIN-HYDROLYZING .BETA.-GLUCOSIDASE/CN

=> e3
L16           1 CONIFERALDEHYDE/CN

=> d l16

L16  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2002 ACS
RN   458-36-6  REGISTRY
CN   2-Propenal, 3-(4-hydroxy-3-methoxyphenyl)- (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Cinnamaldehyde, 4-hydroxy-3-methoxy- (6CI, 8CI)
OTHER NAMES:
```

CN 2-Methoxy-4-(3-oxo-1-propenyl)phenol
CN 3-(4-Hydroxy-3-methoxyphenyl)acrolein
CN 3-Methoxy-4-hydroxycinnamaldehyde
CN 4-Hydroxy-3-methoxycinnamaldehyde
CN **Coniferaldehyde**
CN Coniferyl aldehyde
CN Ferulaldehyde
CN Ferulyl aldehyde
CN p-Coniferaldehyde
FS 3D CONCORD
MF C10 H10 O3
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, HODOC*, MEDLINE, NAPRALERT, NIOSHTIC, PIRA, SPECINFO, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

388 REFERENCES IN FILE CA (1967 TO DATE)
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
388 REFERENCES IN FILE CAPLUS (1967 TO DATE)
28 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file capls
'CAPLS' IS NOT A VALID FILE NAME
SESSION CONTINUES IN FILE 'REGISTRY'
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.96	131.97

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.86

FILE 'CAPLUS' ENTERED AT 07:55:19 ON 28 AUG 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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FILE COVERS 1907 - 28 Aug 2002 VOL 137 ISS 9
FILE LAST UPDATED: 26 Aug 2002 (20020826/ED)

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=> d his

(FILE 'HOME' ENTERED AT 06:22:05 ON 28 AUG 2002)

FILE 'REGISTRY' ENTERED AT 06:23:52 ON 28 AUG 2002
E
N-[N-[3-(3-METHOXY-4-HYDROXYPHENYL)PROPYL]-L-.ALPHA.-ASPARTYL
E
N-(N-(3-(3-METHOXY-4-HYDROXYPHENYL)PROPYL)-L-.ALPHA.-ASPARTYL
L1 STRUCTURE UPLOADED
L2 STRUCTURE UPLOADED
L3 0 SEARCH L2 EXACT SAM
L4 1 SEARCH L2 EXACT FULL

FILE 'CAPLUS' ENTERED AT 06:27:35 ON 28 AUG 2002
L5 2 L4

FILE 'REGISTRY' ENTERED AT 07:09:10 ON 28 AUG 2002
E 3-(4-HYDROXY-3-METHOXYPHENYL) PROPIONALDEHYDE/CN
E 3-(4-HYDROXY-3-METHOXYPHENYL)-PROPIONALDEHYDE/CN
L6 STRUCTURE UPLOADED
L7 1 SEARCH L6 EXACT FULL

FILE 'CAPLUS' ENTERED AT 07:18:17 ON 28 AUG 2002
L8 11 L7
SAVE TEMP L8 SWEETALDEH/A

FILE 'STNGUIDE' ENTERED AT 07:19:02 ON 28 AUG 2002

FILE 'CAPLUS' ENTERED AT 07:19:47 ON 28 AUG 2002
ACT ASPARTAME/A

L9 (1)SEA FILE=REGISTRY ABB=ON PLU=ON ASPARTAME/CN
L10 2346 SEA FILE=CAPLUS ABB=ON PLU=ON L9

```
                ---------
                 ACT CONIFERAL/A
                ---------
L11 (           1)SEA FILE=REGISTRY ABB=ON  PLU=ON  CONIFERALDEHYDE/CN
L12           388 SEA FILE=CAPLUS ABB=ON  PLU=ON  L11
                ---------

     FILE 'CAPLUS' ENTERED AT 07:20:01 ON 28 AUG 2002
L13             1 L8 AND L10
L14             6 L8 AND L12

     FILE 'REGISTRY' ENTERED AT 07:52:26 ON 28 AUG 2002
                E BENZENEPROPANAL, 4-HYDROXY-3-METHOXY-,CN
                E 4-HYDROXY-3-METHOXY-BENZENEPROPANAL CN

     FILE 'CAPLUS' ENTERED AT 07:54:07 ON 28 AUG 2002
L15           952 REG

     FILE 'REGISTRY' ENTERED AT 07:54:37 ON 28 AUG 2002
                E CONIFERALDEHYDE/CN
L16             1 E3

     FILE 'CAPLUS' ENTERED AT 07:55:19 ON 28 AUG 2002

=> rhodium
          52919 RHODIUM
             30 RHODIUMS
L17       52920 RHODIUM
                (RHODIUM OR RHODIUMS)

=> l12 and l17
L18             1 L12 AND L17

=> d l18 ti

L18  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2002 ACS
TI   Process for producing and purifying aspartame derivative as sweetener


=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     2.70     134.67

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -1.86

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:56:45 ON 28 AUG 2002

Connecting via Winsock to STN


Welcome to STN International!  Enter x:x

LOGINID:ssspta1623paz
```